YORK®
Heating and Air Conditioning

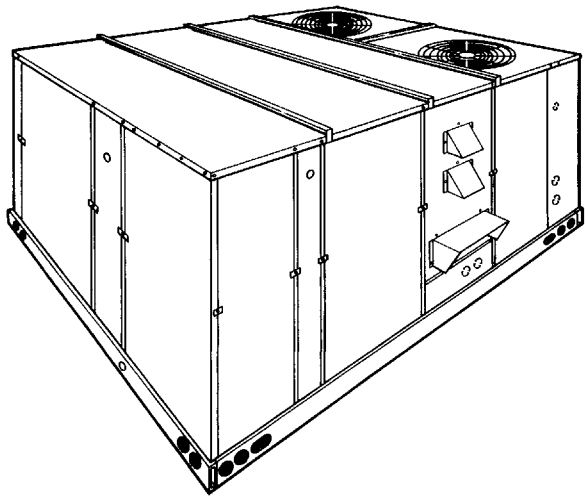
TECHNICAL GUIDE

SINGLE PACKAGE GAS/ELECTRIC UNITS AND SINGLE PACKAGE AIR CONDITIONERS

DH 180, 210, 240 & 300

15, 17.5, 20 & 25 NOMINAL TONS

10.8 EER (15 TONS), 10.2 EER (17.5 TONS), 9.7 EER (20 TONS) AND 9.6 EER (25 TONS)



DESCRIPTION

YORK Sunline Ultra™ units are convertible single package high efficiency rooftops. All models have independent dual refrigerant circuits for efficient part load operation. Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof.

All units include:

- Powder Paint finish that meets ASTM-B-117 1000 hour salt spray standards
- Two-stage cooling provided by dual independent refrigeration circuits with expansion valves, filter-driers, high and low pressure/loss of charge switches and freezestats
- Hermetically sealed scroll compressors with crankcase heaters
- Two-stage heating provided by dual independent heat exchangers with aluminized steel tubes, redundant gas valves, spark ignition with induced draft logic
- Permanently lubricated motors
- Bottom or side air discharge configuration capability (field convertible)
- Belt drive blower motor with high static drive options
- Constant supply air volume (CV) with optional variable air volume (VAV)
- Manufactured under the quality standards of ISO9001
- Twenty-four volt control circuit with compressor lock-out
- Zero-25% fixed air damper with hood
- Copper tube/aluminum fin coils
- Hinged filter access and tool free latched doors optional
- Hinged tool free blower, blower motor, filters and electrical panel access optional
- Rigging holes in base rails for lifting
- Single point power connection
- Complete factory package - tested, charged and wired
- CSA agency approvals on all units

WARRANTY

- Factory Limited Parts Warranty
- One-year parts warranty
- A Five-year parts warranty on the compressor and electric heat elements.
- Ten-year parts warranty on the gas-fired heat exchangers.

C US

CERTIFIED

DESIGN CERTIFIED

ARI PERFORMANCE CERTIFIED
ARI Standard 340/360
Commercial and Industrial Unitary
Air Conditioning Equipment

FOR DISTRIBUTION USE ONLY - NOT TO BE USED AT POINT OF RETAIL SALE

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PRODUCT NOMENCLATURE

15-25 Ton Sunline Ultra™ Model Number Nomenclature

D	H	180	N24	A	2	A	AA	1	0	1	2	4	A

Product Category
D = A/C, Single Pkg., R-22

Product Identifier
H = 10.0-11.0 EER A/C

Nominal Cooling Capacity
180 = 15 Ton
210 = 17.5 Ton
240 = 20 Ton
300 = 25 Ton

Heat Type and Nominal Heat Capacity
C00 = Cooling Only. No field installed electric heat

Gas Heat Options
N24 = 240 MBH Output Aluminized Steel
N32 = 320 MBH Output Aluminized Steel
S24 = 240 MBH Output Stainless Steel
S32 = 320 MBH Output Stainless Steel

Electric Heat Options
E18 = 18 KW
E36 = 36 KW
E54 = 54 KW
E72 = 72 KW

Airflow
A = Std. Motor
B = Std. Motor/Economizer
C = Std. Motor/Economizer/Power Exhaust (Downflow Only)
D = Std. Motor/Motorized Damper
E = Std. Motor/Motorized Damper/Barometric Relief
J = Std. Motor/Economizer/Barometric Relief
N = Hi Static
P = Hi Static/Economizer
Q = Hi Static/Economizer/Power Exhaust (Downflow Only)
R = Hi Static/Motorized Damper
K = Hi Static/Motorized Damper/Barometric Relief
S = Hi Static/Economizer/Barometric Relief

Voltage
2 = 208/230-3-60
4 = 460-3-60
5 = 575-3-60

Product Style
A = Style A

Configuration Options (not required for all units)
These four digits will not be assigned until a quote is requested, or an order placed.

- SS Drain Pan
- CPC Controller, DFS, APS
- Johnson Controller UNT 1126 (N2 protocol), DFS, APS
- Honeywell Controller, DFS, APS
- Novar Controller, DFS, APS
- Simplicity IntelliComfort Controller
- Simplicity IntelliComfort Controller w/ModLinc
- York Commercial Comfort System (YCCS) Rtu Controller
- Hot Gas Bypass (Standard on VAV, Optional on CV)
- Variable Air Volume, VFD (not available with factory installed BAS options)
- Variable Air Volume, VFD with ModLINC (not available with factory installed BAS options)
- Variable Air Volume, VFD and Manual Bypass (not available with factory installed BAS options)
- Variable Air Volume, VFD and Manual Bypass with ModLINC (not available with factory installed BAS options)
- Variable Air Volume, VFD (BAS ready)
- Variable Air Volume, VFD and Manual Bypass (BAS ready)
- Variable Air Volume, VFD Ready (for customer provided, field installed drive)
- Variable Air Volume, VFD Ready with ModLINC (for customer-provided, field-installed drive)
- 2" Pleated filters
- 4" Pleated filters
- BAS Ready Economizer (2-10 V.D.C. Actuator without a controller)
- Double Wall Construction
- Any Combination of Additional Options that Don't Have an Option Code Pre-assigned

Product Generation
1 = First Generation
2 = Second Generation

Additional Options

Standard Cabinet	Hinged Filter Door & Tool Free Access Cabinet
AA = None AB = Phase Monitor AC = Coil Guard AD = Dirty Filter Switch AE = Phase Monitor & Coil Guard AF = Phase Monitor & Dirty Filter Switch AG = Coil Guard & Dirty Filter Switch AH = Phase Monitor, Coil Guard & Dirty Filter Switch RC = Coil Guard & American Flag TA = Technicoat Condenser Coil TJ = Technicoat Evaporator Coil TS = Technicoat Evaporator & Condenser Coils	BA = Hinged Filter Door & Tool Free Access Panels BB = Phase Monitor, Hinged Filter Door & Tool Free Access Panels BC = Coil Guard, Hinged Filter Door & Tool Free Access Panels BD = Dirty Filter Switch, Hinged Filter Door & Tool Free Access Panels BE = Phase Monitor & Coil Guard, Hinged Filter Door & Tool Free Access Panels BF = Phase Monitor & Dirty Filter Switch, Hinged Filter Door & Tool Free Access Panels BG = Coil Guard & Dirty Filter Switch, Hinged Filter Door & Tool Free Access Panels BH = Phase Monitor, Coil Guard & Dirty Filter Switch, Hinged Filter Door & Tool Free Access Panels

ZZ = If desired option combination is not listed above, ZZ will be assigned and configuration options will be located in digits 15-18.

Installation Options

A = No Options Installed B = Option 1 C = Option 2 D = Options 1 & 2 E = Option 3 F = Option 4 G = Options 1 & 3 H = Options 1 & 4 J = Options 1, 2 & 3 K = Options 1, 2, & 4 L = Options 1,3 & 4 M = Options 1, 2, 3, & 4	N = Options 2 & 3 P = Options 2 & 4 Q = Options 2, 3, & 4 R = Options 3 & 4 S = Option 5 T = Options 1 & 5 U = Options 1, 3, & 5 V = Options 1, 4, & 5 W = Options 1, 3, 4, & 5 X = Options 3 & 5 Y = Options 4 & 5 Z = Options 3, 4 & 5

Options

1 = Disconnect 2 = Non-Pwr'd Conv. Outlet 3 = Smoke Detector S.A.	4 = Smoke Detector R.A. 5 = Pwr'd Conv. Outlet

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